L Number	Hits	Search Text	DB	Time stamp
-	3	"luo, huitao".in.	USPAT;	2003/11/06 09:05
		idoj ridido iii.	US-PGPUB	,,
<u> </u>	1	"rubberband function"	USPAT;	2003/10/16 17:00
	•		US-PGPUB	2000, 10, 10 17.00
1_	5	"rubber band function"	USPAT;	2003/10/16 17:00
	, ,	Tubber band function	US-PGPUB	2003/10/10 17.00
	37	"contour recognition"	USPAT;	2003/11/04 16:54
-	37	contour recognition	US-PGPUB	2003/11/04 10.34
	220	"contour detection"	I .	2002/11/05 12:22
-	230	contour detection	USPAT;	2003/11/05 12:23
	050	Hode odskadinal and sanks	US-PGPUB	2002/44/05 42.44
-	858	"edge detection" and contour	USPAT;	2003/11/05 13:41
	76	Mattaka atau a antkantan M	US-PGPUB	2002/44/05 44-50
-	76	"distortion criterion"	USPAT;	2003/11/05 14:59
	_	(HATA CTER HEGE 44 00 H HEG 4 00 00 H HEG 4 4 CE 4 H DA)	US-PGPUB	0000/11/05 11 50
-	4	("4748675" "5054103" "5510838" "5644654").PN.	USPAT	2003/11/05 14:59
-	7	5774595.URPN.	USPAT	2003/11/05 14:59
-	9	("4853971" "5131058" "5675669" "5764808"	USPAT	2003/11/05 15:01
		"5774595" "5793893" "5838829" "5870501"		
		"5881183").PN.		
-	18	("3268864" "3890596" "4110736" "4115806"	USPAT	2003/11/05 15:01
		"4206441" "4327354" "4334274" "4425559"		
		"4545070" "4550434" "4555801" "4594673"		
		"4603431" "4626838" "4631690" "4646078"	1	
		"4698779" "4736443").PN.		
-	40	"contour approximation"	USPAT;	2003/11/05 15:28
		• •	US-PGPUB	
-	935	("edge detection" or "boundary detection") and contour	USPAT;	2003/11/05 15:35
			US-PGPUB	, ,
-	97	("edge detection" or "boundary detection") and contour and	USPAT;	2003/11/05 15:38
		(345/\$.ccls. or 382/\$.ccls)	US-PGPUB	,
-	478	("edge detection" or "boundary detection") and contour and	USPAT;	2003/11/05 16:25
		(345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	67	("edge detection" or "boundary detection") and contour and	USPAT;	2003/11/05 16:28
}		vertices and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
1 -	18	("edge detection" or "boundary detection") same contour	USPAT;	2003/11/20 15:59
		and vertices and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
<u>-</u>	23	("edge detection" or "boundary detection") same contour	USPAT;	2003/11/05 16:47
		and vertices and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	184		USPAT;	2003/11/20 12:54
		(1.2, 4, 1.2, 1.2, 1.2, 1.2, 1.2, 1.2, 1.2, 1.2	US-PGPUB	2000, 22, 20 22.0 .
-	116	contour with vertices and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/05 16:54
		The state of the s	US-PGPUB	
-	116	contour with vertices and (345/\$.ccls. or 382/\$.ccls.) and	USPAT;	2003/11/05 16:54
		contour and vertices	US-PGPUB	
-	653	345/619.ccls.	USPAT;	2003/11/06 09:07
			US-PGPUB	
-	71	345/619.ccls. and contour	USPAT;	2003/11/06 09:11
	'1	10/02010001 dila contoai	US-PGPUB;	2003/11/00 03.11
			EPO; JPO	
_	499	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 14:12
		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	2003/11/12 17.12
		vertices)	EPO; JPO	
_	458	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/06 10:36
]	טנד	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	2003/11/00 10.30
		vertices) and @ad<=20020114	EPO; JPO	
	212	(boundary or edge or contour) adj (approximation or	USPAT;	2003/11/12 13:52
-	212	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	2003/11/12 13:32
		vertices) and @ad<=20020114	EPO; JPO	
_	114	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/06 10:40
-	114	detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and		2003/11/06 10:40
			US-PGPUB;	
		(vertex or vertices) and @ad<=20020114	EPO; JPO	l

•	60	(boundary or edge or contour) with (approximation or detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	USPAT; US-PGPUB;	2003/11/06 10:43
			EPO; JPO	
	_	(vertex or vertices) and width and @ad<=20020114	•	2002/11/06 11:07
-	7	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/06 11:07
		detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	US-PGPUB;	
		(vertex or vertices) and (rectangle same width) and	EPO; JPO	
	1 12	@ad<=20020114	LICDAT	2002/11/06 11:12
-	12	(boundary or edge or contour) same (approximation or	USPAT;	2003/11/06 11:12
		detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	US-PGPUB;	
		(vertex or vertices) and (rectangle same width) and	EPO; JPO	
		@ad<=20020114		0000444064440
-	47	(boundary or edge or contour) same (approximation or	USPAT;	2003/11/06 11:12
		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
ì		vertices) and (rectangle same width) and @ad<=20020114	EPO; JPO	
-	920	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 13:53
1		detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient	US-PGPUB;	
			EPO; JPO	
-	114	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 14:32
!		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
		vertices) and gradient and @ad<=20020114	EPO; JPO	
1 -	8	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 14:58
		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
1		vertices) and (gradient with shortest) and @ad<=20020114	EPO; JPO	
-	3	"weighted acyclic graph"	USPAT;	2003/11/12 14:36
	[US-PGPUB;	
			EPO; JPO	
-	18	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 17:06
	:	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
		vertices) and (gradient with (shortest or least)) and	EPO; JPO	
		@ad<=20020114		
-	19	curvature with distance with vertices	USPAT;	2003/11/12 17:06
			US-PGPUB;	
1			EPO; JPO	
[-	803	"acyclic graph"	USPAT;	2003/11/13 16:11
			US-PGPUB	
-	221	"acyclic graph" and (weight or weighted)	USPAT;	2003/11/13 16:12
	_		US-PGPUB	
-	61	"acyclic graph" and (weight or weighted) and image	USPAT;	2003/11/13 16:23
1			US-PGPUB	
-	392	"acyclic graph" and (contour or edge or boundary)	USPAT;	2003/11/13 16:25
\ .			US-PGPUB	
-	100	"acyclic graph" same(contour or edge or boundary)	USPAT;	2003/11/13 16:46
1			US-PGPUB	
-	201	contour and "shortest path"	USPAT;	2003/11/13 16:47
			US-PGPUB	
-	22	contour same "shortest path"	USPAT;	2003/11/13 16:49
			US-PGPUB	
-	333	"shortest path" same (edge or boundary or contour)	USPAT;	2003/11/13 16:50
	1		US-PGPUB	
-	24	"shortest path" same (edge or boundary or contour) and	USPAT;	2003/11/13 16:50
]	graph and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	396	"scale parameter"	USPAT;	2003/11/17 13:45
1			US-PGPUB	
j -	139	"scale parameter" and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/17 13:46
1		[, , , , , , , , , , , , , , , , , , ,	US-PGPUB	
-	38	"scale parameter" and (345/\$.ccls. or 382/\$.ccls.) and	USPAT;	2003/11/17 13:47
	_	variance	US-PGPUB	
-	6	("scale parameter" same variance) and (345/\$.ccls. or	USPAT;	2003/11/17 13:58
1	_	382/\$.ccls.)	US-PGPUB	2002/44/47 12 77
-	5	("scale parameter" same gradient) and (345/\$.ccls. or	USPAT;	2003/11/17 13:58
	_	382/\$.ccls.)	US-PGPUB	2002/44/47 42 75
-	7	("scale parameter" same gradient) and (345/\$.ccls. or	USPAT;	2003/11/17 13:58
		382/\$.ccls.)	US-PGPUB	

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	18	code with detecting with contour	USPAT;	2003/11/17 16:16
-	10	code with detecting with contour	US-PGPUB	2003/11/17 10.10
	11	code with detecting with contour and (345/\$.ccls. or	USPAT:	2003/11/17 16:17
		382/\$.ccls.)	US-PGPUB	2000, 11, 17, 10,17
_	34	gradient and "shortest path" and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/19 12:47
]	gradione and onercost page and (o 10,4,1000) or coup,4,1000,	US-PGPUB	
_	2	gradient with "shortest path" and (345/\$.ccls. or	USPAT;	2003/11/19 13:00
		382/\$.ccls.)	US-PGPUB	, ,
-	8	gradient same "shortest path" and (345/\$.ccls. or	USPAT;	2003/11/19 13:01
		382/\$.ccls.)	US-PGPUB	
-	359	gradient with (shortest or least) and (345/\$.ccls. or	USPAT;	2003/11/19 13:01
		382/\$.ccls.)	US-PGPUB	
-	285	(edge or boundary) and gradient with (shortest or least) and	USPAT;	2003/11/19 13:05
		(345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	6	gradient with neighborhood with size and (345/\$.ccls. or	USPAT;	2003/11/19 17:02
		382/\$.ccls.)	US-PGPUB	
-	4	gradient with neighborhood with variable and (345/\$.ccls. or	USPAT;	2003/11/19 17:03
	100	382/\$.ccls.)	US-PGPUB	2002/11/10 17:12
-	109	gradient with neighborhood and (345/\$.ccls. or 382/\$.ccls.)	USPAT; US-PGPUB	2003/11/19 17:12
	4	gradient with neighborhood with scale and (345/\$.ccls. or	USPAT;	2003/11/19 17:04
-	"	382/\$.ccls.)	US-PGPUB	2003/11/19 17.04
<u> </u>	6	gradient and (determine with neighborhood with size) and	USPAT;	2003/11/19 17:04
	"	(345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	2005,11,15 17.01
l <u>-</u>	0	gradient with "neighborhood size" and (345/\$.ccls. or	USPAT;	2003/11/20 15:48
		382/\$.ccls.)	US-PGPUB	
-	78	"neighborhood size" and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/19 17:13
			US-PGPUB	
-	2	"6332034"	USPAT;	2003/11/20 12:53
			US-PGPUB	
-	1	6332034.URPN.	USPAT	2003/11/20 10:05
-	8	("4787906" "5463698" "5572565" "5574799"	USPAT	2003/11/20 10:38
		"5647018" "5825909" "5995668" "6081617").PN.		
-	585	gradient and ((edge or boundary or contour) adj detection)	USPAT;	2003/11/20 13:35
	220	and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	2002/44/20 45.07
-	220	gradient and heuristic and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/20 15:07
	39	gradient and heuristic and curvature and (345/\$.ccls. or	US-PGPUB USPAT;	2003/11/20 15:08
-	39	gradient and neuristic and curvature and (345/\$.ccis. or 382/\$.ccis.)	US-PGPUB	2003/11/20 13:08
	180	curvature and (edge or boundary or contour) adj detection	USPAT;	2003/11/20 15:54
	100	and (345/\$.ccls. or 382/\$.ccls.) and @ad<=20020114	US-PGPUB	2003/11/20 13.37
L	l	and (373/\$.ccis. or 302/\$.ccis.) and wad>-20020114	L CO-FOFOD	L